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Acer P911

Color Monitor

19" (48.3cm) CRT Size,
18" (45.7cm) Max. Viewable Area

User's Manual

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Fill in here!!

For the convenience of service, write following related information of your monitor in the space below. The serial number is on the back of the product.

Monitor Information

Product Name:	Acer P911
Serial Number:	
Date of Purchase:	

Dealer Information

Dealer:	
Telephone Number:	
Address:	

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Safety Instructions

1. The AC plug isolates this equipment from the AC supply.
2. Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
3. Slots and openings in the cabinet and the back or bottom are provided for ventilation. They must not be blocked or covered. This product should never be placed near or over a radiator or heat register, or in a built-in installation unless proper ventilation is provided.
4. This product should be operated from the type of power indicated on the marking label. If you are not sure of the type of power available, consult your dealer or local power company.
5. This product should be operated with a 3-wire grounding-type plug, a plug having a third (grounding) pin. This plug will only fit into a grounding-type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to make the necessary outlet changes.
6. Never push objects of any kind, or spill liquid of any kind into this product.
7. Do not attempt to service this product yourself, as opening or removing covers may expose you to dangerous voltages or other risks. If any above mentioned misuse or other accident (dropping, mis-operations) occurs, contact qualified service personnel for servicing.
8. Use only the proper type of power supply cord set (provided in your PC box) for this unit. It should be a detachable type: UL listed/CSA certified, type SVT/SJT, VDE approved or its equivalent.
9. The power supply cord serves as a power disconnect device for plug able equipment. The socket outlet shall be installed near the equipment and shall be easily accessible.

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FCC Class B

Radio Frequency Interference Statement

Note:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio/television technician for help.

Notice:

The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Caution:

1. If you find some parts of the monitor display discolored due to magnetic fields generated by electrical facilities or appliances, turn off the monitor for at least 15 minutes. The degaussing circuit of the monitor will eliminate the discoloration.
2. Do not remove the monitor from its swivel base while the power is on to prevent discoloration. If discoloration occurs, follow the above-mentioned procedure for adjustment.
3. Shielded power cord and interface cable, if any, must be used in order to comply with the emission limits of FCC Class B digital device.

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CE Declaration

This monitor, Acer P911, complies with 72/23/EEC and 89/336/EEC modified by 92/31/ECC. These directives refer to EMC.

Canadian Department of Communications *Regulatory Statement*

This digital apparatus does not exceed Class B limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

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Introduction

Unpacking the Package

Check following items. If they are missing or damaged, consult your place of purchase immediately.

- ✓ Color monitor
- ✓ Swivel base
- ✓ User's manual
- ✓ D-Sub signal cable
- ✓ Power cord
- ✓ Mac adapter (Optional)

Locate the model name and the serial number labeled on the back of your monitor. Write down the related information of your monitor and dealer in the space on page ii for future reference.

Features

Your Acer P911 has the following features:

✓ **Plug'n Play Compatibility**

With its DDC1™ and DDC2B™, it is compatible with Plug'n Play feature of Windows 95® and Windows 98®.

✓ **Flicker-free Image**

The monitor supports flicker-free rates at 1600 x 1200 resolution up to 85Hz which is VESA's best recommended refresh rate.

✓ **Larger Viewable Size**

With its 18"(45.7cm) viewable size, it offers a larger screen than other 19" monitors.

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✓ **iScreen® (Intelligent Screen) Technology**

The On-Screen Display (OSD) allows you to adjust all settings simply with on-screen menus.

✓ **Power Saving Function**

The power management complies with VESA DPMS standard. When the system is idle (off mode), the monitor automatically cuts its power consumption up to 95%.

✓ **Green Commitment**

Your monitor is packaged in recycled packing materials and no CFCs are used in the manufacturing process. It is in compliance with the US government's Energy Star standards and the rigorous standards of the Scandinavian countries.

Power Management

The power management of this monitor complies with these VESA power saving modes:

Mode	Power Consumption	Horizontal Sync	Vertical Sync	LED
On	Normal	On	On	Green
Stand-by	< 15 W	Off	On	Amber
Suspend	< 15 W	On	Off	Amber
Off	< 5 W	Off	Off	Amber Blinking
Override	Normal	Off	Off	Green

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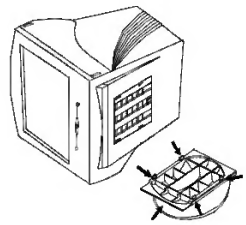
Getting Started 2

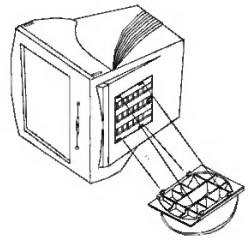
Installing the Swivel Base

1. Place the monitor on its side.



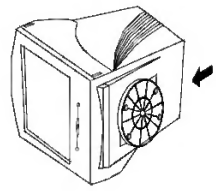
2. Locate the arrow and the four slots at the bottom of the monitor.

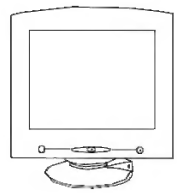
3. As directed by the arrow inscribed on the swivel base, insert the four pegs on the base into the slots at the bottom of the monitor.



4. Push the swivel base gently toward the front of the monitor until it is locked.

5. Place the monitor back to its normal position.





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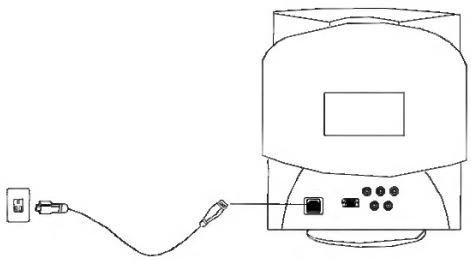
Installing the Monitor

This monitor is equipped with an autosensing power supply for voltage ranges 100~240V AC, 50~60Hz.

1. Make sure that the system power is turned off.
2. Please refer to the instructions below to connect the signal cable through D-SUB or BNC.
3. Connect the power cord to the monitor and attach it to power source.
4. Turn on the computer and the monitor.

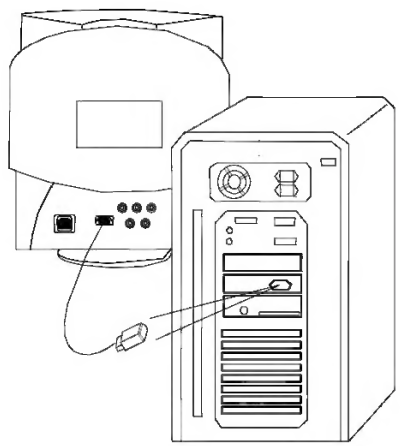


Connecting the Signal Cable

Your Acer P911 provides D-SUB and BNC signal connectors. The D-SUB or BNC signals can automatically be detected by its microprocessor.

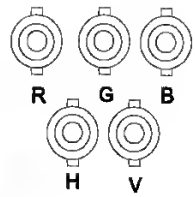
Connecting through D-SUB signal connector

1. Make sure that the system power is turned off.
2. Connect the computer end of the D-SUB cable to the 15-pin output connector on the video board of your computer.
3. Connect the monitor end of the D-SUB cable to the D-SUB receptacle on the back of the monitor.



Connecting through BNC signal connector

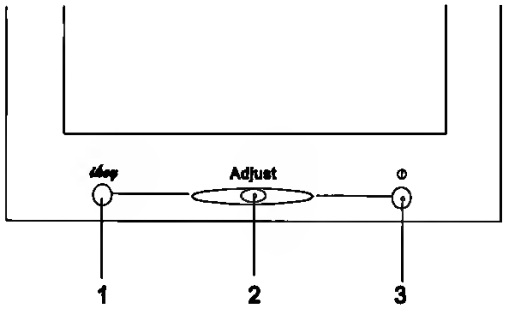
1. Make sure that the system power is turned off.
2. Connect the computer end of the BNC cable to the output connector on the video board of your computer.
3. Connect the monitor end of the BNC cable to the BNC receptacle on the back of the monitor.



☞ *If you connect the monitor to an Apple Macintosh through a D-Sub cable, you need to buy a Macintosh adapter to connect the video signal port of your computer and the monitor signal cable.*

Adjusting the Monitor 3

A Look at the Control Panel



Adjusting the Monitor

You can adjust the monitor with the On-Screen Display (OSD) menus. There are 3 keys for user's control. They include *i key*, **Adjust**, and **Power Switch**. The following is the introduction.

Panel key introduction

1. *i key* : Intelligent key used for auto-calibration of picture size and position.
2. **Adjust** : rotates or presses to make adjustments.
3. **Power Switch**: turns the monitor on or off.

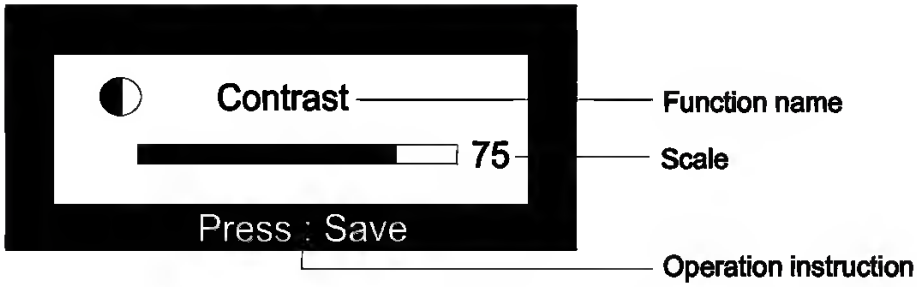
Selecting function and making adjustments

1) i key (Auto-calibration hot-key)

Press i key, the monitor will automatically adjust the display's size and position to the optimum.

2) Contrast hot-key mode

1. Rotate **Adjust** to the left to enter contrast hot-key mode.
2. Rotate **Adjust** left or right slowly to adjust the setting.
3. Press **Adjust** to save the setting.



3) Brightness hot-key mode

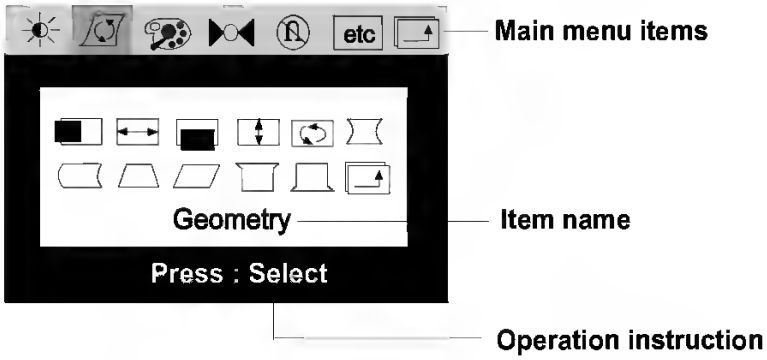
1. Rotate **Adjust** to the right to enter brightness hot-key mode.
2. Rotate **Adjust** left or right slowly to adjust the setting.
3. Press **Adjust** to save the setting.

3) Main menu mode

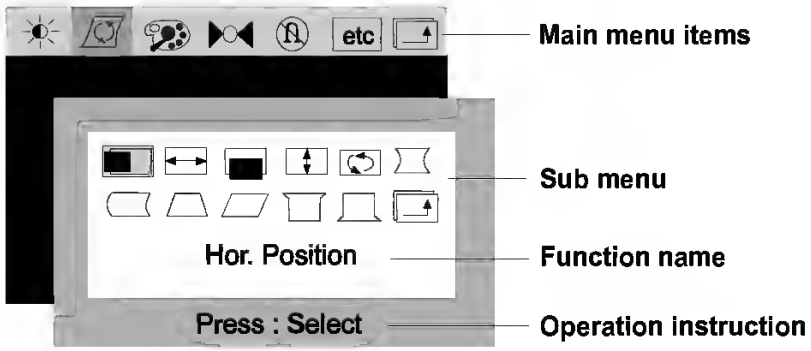
Press **Adjust** to enter main menu mode. Grouped by functions, the OSD offers 7 major functions in Main Menu for making adjustments: Luminance, Geometry, Color Adjustment, Recall, Degaussing, Miscellaneous and Exit. The following describes the contents of each function and how you can make adjustments.

Make adjustments

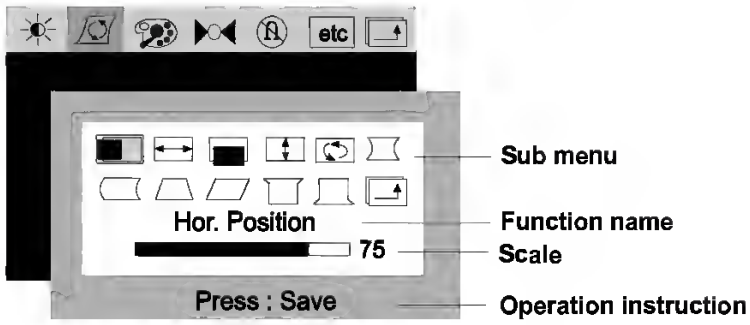
1. In Main Menu: Rotate **Adjust** to locate the item you desire to change.



2. Press **Adjust** to go into the Sub Menu. Rotate **Adjust** again to locate the function item.



3. Press **Adjust** and rotate to make the adjustment.



4. Press **Adjust** to save the setting.

5. Rotate **Adjust** to locate and press **Adjust** to return to main menu.

Control functions available in main menu

1. Luminance

Contrast: adjusts the difference between the light and dark areas.

Brightness: adjusts the brightness of the display.

Exit: returns to last page.

2. Geometry

Hor. Position: adjusts the horizontal position of the display.

Hor. Size: adjusts the display width.

Ver. Position: adjusts the vertical position of the display.

Ver. Size: adjusts the vertical display height.

Rotation: corrects the slanted screen.

Pincushion: corrects curve at the vertical edges of the display.

Unbalance: adjusts balance when the sides of display are bowed toward left or right.

Trapezoid: makes the vertical edge of the display parallel.

Parallelogram: corrects image distortions.

Top corner: adjusts the edges on the top corners of the screen image.

Bottom corner: adjusts the edges on the bottom corners of the screen image.

Exit: returns to last page.

3. Color Adjustment

Color mode	Color Temperature (Preset Mode)	Color Temperature (User Mode)
C1 (9300K)	9300K	User Mode 1
C2 (6500K)	6500K	User Mode 2
C3 (5500K)	5500K	User Mode 3
C4 (7100K)	7100K	User Mode 4
C5 (11500K)	11500K	User Mode 5

Color Preset Mode: In this mode, C1 to C5 are five memory areas where the factory-preset color settings are stored. These settings are fixed and can not be modified.

Color User Mode: Rotate **Adjust** to locate the color mode and press **Adjust** to choose a color. Press **Adjust** again to make the adjustment. If you want to reset to preset modes, please locate ⋈ to recall the preset color settings.

4. Recall geometry preset setting

Locate and press **Adjust**, you can recall the preset settings. The word "Recall" will keep blinking on the screen in the process of recall. This page is also a "status display" field which shows current horizontal and vertical frequency status. Please note that only choosing a preset geometry setting can the display show the resolution data.

5. Manual degaussing function

To eliminate color shading or impurity induced by magnetism, press **Adjust** to do the manual degaussing.

6. etc Miscellaneous

Hor. Convergence: adjusts Horizontal Convergence.

Ver. Convergence: adjusts Vertical Convergence.

Hor. Moire: adjusts horizontal Moire.

Purity: Color Purity adjustment.

D-Sub ◀▶ **BNC:** input connector select.

OSD position: adjusts OSD horizontal and vertical position.

ABC **Language:**

De : Deutsch **En** : English **Es** : Español

Fr : Français **It** : Italiano

If the picture is unstable when you adjust the moire reduction setting, over-adjustment has occurred. Please lower the moire reduction setting level.

Note:

- ☞ *The degree of each parameter is present by numeric statement and corresponding scale.*
- ☞ *The on-screen menu will automatically disappear after 20-second's inactivity. If changes have been made, the monitor will automatically save them.*

Timing Setting

By making adjustments of your video card settings, you can set the timing and the refresh rate to your preferences. The monitor will automatically save the settings. Your monitor can accept horizontal frequency ranging from 30 KHz to 107 KHz and vertical frequency from 50 Hz to 160 Hz. However, due to different resolution settings, do not exceed the following maximum vertical refresh rate to avoid possible damages to your monitor.

Resolution	Maximum Vertical Refresh Rate (Hz)
800 x 600	160
1024 x 768	130
1280 x 1024	100
1600 x 1200	85

Factory Preset Timings

Mode	Resolution	Vertical Frequency (Hz)	Horizontal Frequency (KHz)
Industry	640 x 400	70	31.47
Industry	640 x 480	60	31.47
VESA	800 x 600	75	46.88
VESA	800 x 600	85	53.67
VESA	1024 x 768	75	60.02
MAC	1024 x 768	75	60.24
VESA	1024 x 768	85	68.68
VESA	1280 x 1024	75	79.98
VESA	1280 x 1024	85	91.15
VESA	1600 x 1200	75	93.75

Troubleshooting and Useful Hints 4

Troubleshooting

Make sure that your monitor is properly installed if you have encountered any trouble using this product (For hardware installation, see **Chapter 2, Getting Started**). If the problems persist, check this chapter for possible solutions.

✓ Can't find Acer P911 on the Windows 95® or Windows 98® monitor lists.

- ❑ You need to update the Windows 95® or Windows 98® setup information for your Acer P911. You can download the updated file from the web site (http://www.acerperipherals.com.tw).

✓ There is no picture on the screen.

Check:

- ❑ Video sync signal. The video sync signal must be specified for the monitor.
- ❑ Power saving mode. Press any key and move the mouse to deactivate the mode.
- ❑ Signal cable connector pins. If there are bent or missing pins, consult your place of purchase.

✓ The picture is scrolling or unstable.

Check:

- ❑ Signal connector pin assignments. Replace with a correct one if they are not operative.
- ❑ Signal cable connector pins. If there are bent or missing pins, consult your place of purchase.
- ❑ Graphics card. See if the settings are made properly.

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- ❑ Scanning frequency. Change the settings of your graphics card to acceptable options.
- ❑ Remove magnetic objects near the monitor.

✓ Characters look dark; the picture is too small or too large, not centered, etc.

- ❑ Adjust related settings. See Chapter 3, Adjusting the Monitor.

✓ Colors are impure.

- ❑ Check signal cable connector pins. If there are bent or missing pins, consult your place of purchase.
- ❑ Adjust related settings. See Chapter 3, Adjusting the Monitor.

✓ There are two horizontal damper lines visible on the screen.

- ❑ These lines are damper lines required by aperture grille technology, usually blend into background and not noticeable. They are to maintain the aperture grille's alignment and prevent vibration, distortion of screen image. In lightly-colored screen, they are visible and cast a slight shadow on the screen.

✓ Faint black vertical lines are visible on the screen:

- ❑ The aperture grille may be mis-aligned. Shock or vibration during transport may, in some cases, cause the aperture grille to fall out of alignment. The problem will appear as one or more faint black lines across the screen. If this problem occurs, it may be solved by either degaussing the screen or by lightly tapping (do not hit) the side of the monitor.

However, if neither of the above methods work, attempt the following:

a.) Display a black field over the unaffected areas and a bright white field over the area where the black line(s) appear. Do so by opening a bright-white window on top of a black desktop or wallpaper background. Position the window so that it just cover the area of assignment.

b.) Set brightness and contrast to maximum values. Keep the display **on** until the problem is solved. Try tapping (again, do not hit) the side of the display lightly to expedite realignment. The white field will heat up the mis-aligned area of the grille, returning it to proper alignment.

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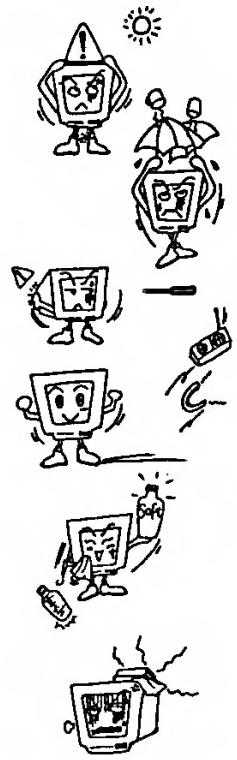
Maintenance

- ✘ Do not expose the monitor to direct sunlight or heat.
- ✘ Do not spill liquid on the monitor.
- ✘ Do not attempt to open the monitor. You may be hurt by electric shock. For service, call your place of purchase.
- ✘ Do not use your monitor when magnets or electronic products are operating nearby.
- ✘ Do not use harsh chemicals or strong cleaning solvents to clean the monitor screen. Wipe it with clean, soft clothes applied with mild solution.
- ✘ Do not place anything on your monitor. Bad ventilation may elevate temperature in the monitor



Need More Help?

If your problems remain after checking this manual, please contact your place of purchase or e-mail us at: APIDisplayCSD@api.com.tw

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5 Specifications

Picture Tube	
Size	19" (48.3cm) diagonal
Type	Natural Flat Tube
AG pitch	0.25mm AG pitch (at center)
Surface coating	AR film (AR, AS) coating
Maximum Viewable Size	18" (45.7cm) diagonal
Power Supply (Universal)	
Input voltage	100~240 V AC, 50~60 Hz (Universal)
Power consumption(Max.)	150W (without USB) / 165W (with USB)
Max. Resolution	1600 x 1200
Horizontal Frequency	30-107 KHz
Vertical Frequency	50-160 Hz
Video Bandwidth	230 MHz
Video Input	mini D-sub connector / 5 BNC connectors
Adjustable Timing	10 factory presets, 22 user modes
User's Control	Fly wheel
X-Radiation	DHHS, PTB
Regulatory Compliance	UL, CSA, FCC-B, TÜV/Ergonomics, VCCI, CE, ISO-9241-3, D.N.S.F., MPR II, TCO'99
Plug & Play	DDC1/2B

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Ambient Temperature	
Operating	+5°C ~ +40°C / +41°F ~ +104°F
Storage	-20°C ~ +60°C / -4°F ~ +140°F
Humidity	
Operating	20% ~ 90%
Storage	10% ~ 90%
Dimensions (W x H x D)	470 mm (W) x 502 mm (H) x 468 mm (D)
Weight (net)	28 Kg